

HISTORY KEPT YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		ILLINOIS HIGHWAY INFORMATION SYSTEM STRUCTURE INFORMATION AND PROCEDURE MANUAL	
NBIS REQUIRED YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		ITEM NAME WATERWAY ADEQUACY APPRAISAL	ITEM NO. 71 PAGE 1 of 2 EFF. DATE 07/01/02
		ISIS	MMIS
RESPONSIBLE FOR UPDATE	District Local Roads	District Maintenance/Operations	
STRUCTURES	Local	State	
UPDATE SCREENS	(12) Inspection / Appraisals	(2) Inspection	
INQUIRY SCREENS	(4) Inspection / Appraisals	(2) Inspection - 1 of 2	

DESCRIPTION AND PURPOSE OF ITEM

This item appraises the waterway opening with respect to passage of flow through the bridge. The following codes shall be used in evaluating waterway adequacy. Site conditions may warrant somewhat higher or lower ratings than indicated by the table (e.g., flooding of an urban area due to a restricted bridge opening).

Do not use the guidelines provided in the Bridge Inspector's Training Manual 90 or the Culvert Inspection Manual.

Where overtopping frequency information is available, the descriptions given in the table for chance of overtopping mean the following:

Remote	-	greater than 100 years
Slight	-	11 to 100 years
Occasional	-	3 to 10 years
Frequent	-	less than 3 years

Adjectives describing traffic delays mean the following:

Insignificant	-	Minor inconvenience. Highway passable in a matter of hours.
Significant	-	Traffic delays of up to several days.
Severe	-	Long term delays to traffic with resulting hardship.

History is retained for this item based on each Inspection Date - Item 90.

CODE AND SCREEN ENTRY INSTRUCTIONS

A one-digit code.

Enter the appropriate code from the previous discussion and the following table:

ILLINOIS HIGHWAY INFORMATION SYSTEM

STRUCTURE INFORMATION AND PROCEDURE MANUAL

ITEM NAME **WATERWAY ADEQUACY APPRAISAL**

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Functional Classification			Description
Principal Arterials - Interstates, Freeways, or Expressways	Other Principal and Minor Arterials and Major Collectors	Minor Collectors, Locals	
Code			
N	N	N	Bridge not over a waterway.
9	9	9	Bridge deck and roadway approaches above flood water elevations (high water). Chance of overtopping is remote.
8	8	8	Bridge deck above roadway approaches. Slight chance of overtopping roadway approaches.
6	6	7	Slight chance of overtopping bridge deck and roadway approaches.
4	5	6	Bridge deck above roadway approaches. Occasional overtopping of roadway approaches with insignificant traffic delays.
3	4	5	Bridge deck above roadway approaches. Occasional overtopping of roadway approaches with significant traffic delays. *
2	3	4	Occasional overtopping of bridge deck and/or roadway approaches with significant traffic delays. *
2	2	3	Frequent overtopping of bridge deck and/or roadway approaches with significant traffic delays. *
2	2	2	Occasional or frequent overtopping of bridge deck and/or roadway approaches with severe traffic delays. *
0	0	0	Bridge closed.

* For bridges built at the bottom of sag vertical curves, the flooding of approaches is not considered for rating.